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(71) Applicant (*for all designated States except US*): KONINKLIJKE PHILIPS ELECTRONICS N.V. [NL/NL];
Groenewoudseweg 1, NL-5621 BA Eindhoven (NL).

(72) Inventors; and
(75) Inventors/Applicants (*for US only*): DUNIAS,

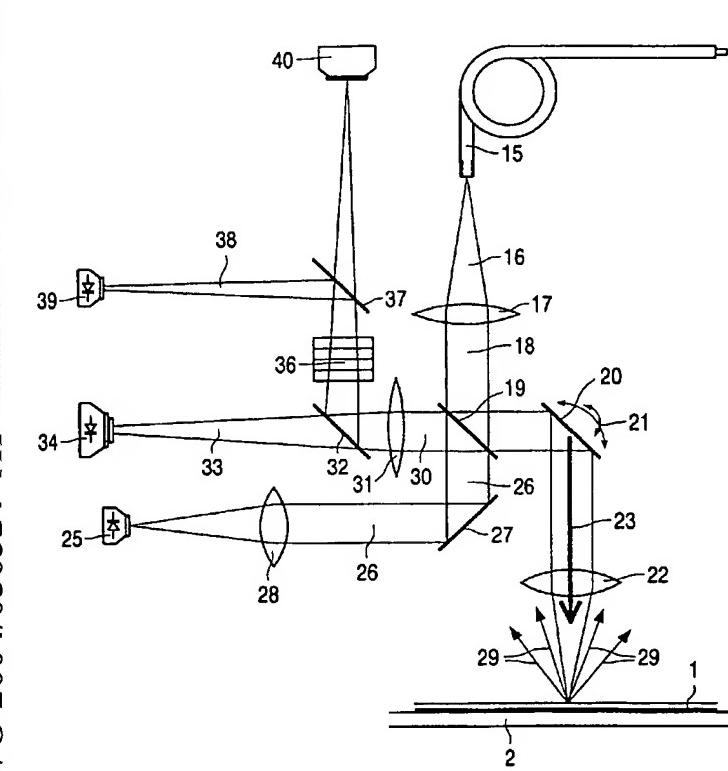
Paraskevas [NL/NL]; c/o Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL). BLOM, Antonius, H., M. [NL/NL]; c/o Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL). VAN ENGEN, Pieter, G. [NL/NL]; c/o Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL). HEINKS, Carsten [DE/NL]; c/o Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL). DE KOK, Cornelis, J., G., M. [NL/NL]; c/o Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL). HOVING, Willem [NL/NL]; c/o Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL). DIJKEN, Durandus, K. [NL/NL]; c/o Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL).

(74) Agent: ROLFES, Johannes, G., A.; Philips Intellectual Property & Standards, Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL).

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(54) Title: A METHOD AND A DEVICE FOR LASER SPOT WELDING



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(57) Abstract: A method for laser spot welding, whereby a laser beam is directed to the material to be welded, and whereby, during the welding operation, the surface temperature of said material at the spot of the weld is detected. The presence of a weld can be determined depending on the detected surface temperature after the laser beam is switched off. Furthermore, the power of the laser beam can be controlled depending on the detected surface temperature. To control the welding operation, also the reflected laser radiation from the spot of the weld can be detected.



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